RK
& Associates, Inc.

November 29 , 2017

R11379-2.6

Attn: Compliance Tracker, AE-17J
Air Enforcement and Compliance Assurance Branch
U.S. Environmental Protection Agency - Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604

Ambient Air Lead Monitoring Report
Sampling Period of October 4 through November 6, 2017
Behr Site - 1100 Seminary Street – Rockford, Illinois 61104
Site ID No.: 201030AYB

To Whom This May Concern:

Introduction:

The Behr Site (Site) has implemented an ambient air monitoring program for lead and arsenic in accordance with USEPA Regions V's Request to Provide Information Pursuant to the Clean Air Act, dated May 5, 2015. An ambient air monitoring station has been installed in accordance with the approved *Ambient Air Lead Monitoring Station Siting Proposal* dated July 7, 2014. The site began operation on October 21, 2015. Station operating procedures, sample collection and handling procedures, and sample analytical methods and procedures have been performed in accordance with the revised *Quality Assurance Project Plan (QAPP)* dated January 31, 2017.

Beginning on October 21, 2015, 24-hour TSP samples were collected every third day, in accordance with USEPA's published ambient air sampling schedule (presented in Appendix A), and analyzed for lead (Pb) and arsenic (As)1. Samples are held in sealed envelopes in a controlled area on site until a minimum of eleven samples have been collected. The samples are then sent to RTI International in Research Triangle Park, North Carolina for lead analysis, in accordance with the methods identified in the QAPP. A summary of individual lead measurements reported by RTI for all samples collected during this reporting period is presented in Appendix B.

The Site has also installed a meteorological station to simultaneously record barometric pressure, wind speed, and wind direction during *sample* collection periods. Met data for this reporting period is presented in Appendix C as 1-hour averages.

1 The initial analytical requirements established by USEPA included lead and arsenic; however, as of October 6, 2016, based on previous analytical results, the requirement to analyze for arsenic was eliminated

2 South 631 Route 59; B
Warrenville, IL 60555
(630) 393-9000
Fax (630) 393-9111

Summary of Ambient Air Monitoring Results for This Reporting Period:

A summary of the ambient air monitor measurements for sampling events performed on October 4 through November 6, 2017, is presented in Table 1 attached to this correspondence.

This table identifies the sampling date, sample duration, the 24-hour average temperature and barometric pressure data recorded by integrated sensors provided with the high volume sampler (used to adjust actual flow rate to standard conditions), average volumetric air sampling rate, total volume of air collected during each sampling event, as well as the analytical results for lead.

The total mass of lead on the filters (Column J) is divided by the total sample volume at standard conditions (Column H) to identify 24-hour average ambient air lead concentration in Column K.

The monthly mean is reported in Column L. The 3-month mean ambient lead concentration is presented in Column M and is reported as the average of the three most recent monthly means rounded to two significant digits for comparison to rolling 3-month average NAAQS lead standard. The analytical report from RTI International, (subcontracted for filter analyses), is presented in Appendix B.

The attached table also reports the daily average wind direction and daily average wind speed for each sampling day (Columns N and O respectively). The meteorological data for this reporting period is presented in Appendix C, which also includes an aerial photo of the facility identifying the location of the ambient air monitor with respect to the lead material processing building (Dock 25) and the three point sources of lead emissions.

The Site has retained RK & Associates to assist with submitting monthly lead monitoring reports. If you have any questions, or require any additional information please do not hesitate to contact John Pinion at 630-393-9000 (jpinion@rka-inc.com).

Yours very truly,
RK & Associates, Inc.

John G. Pinion
Associate Engineer

cc: Ms. Sarah Schlichtholz – Director, Environmental and Community Affairs – Alter Treading Inc. – St. Louis, MO
Mr. Patrick Kohlmeier – Environmental Engineer – Behr Site – Rockford, IL
Mr. Eric Boyd – Thompson Colburn – Chicago, IL

Table 1. Summary of Ambient Air Lead Monitoring Results October 4, through November 6 , 2017
The Behr Site - Rockford, Illinois

Wind direction data includes adjustment from Oct. 2016 Met Sta Performance Audit

Col -> A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
						Sample Rate / Volume				Ambient Lead Concentration[c]			Facility Met Data	
USEPA Lead Sample Day (Y)	Day of Week	Sample Collection Date	Sample Duration (days) (hrs)	Avg. Temp °C	Avg. Bar. Pres. mmHg	Average Rate scfm	Total std m^3	Sampler Data Flags	Lead[a] ug/filter	Daily Average ug/m^3	Monthly Average ug/m^3	3-Month Rolling Average[b] ug/m^3	Daily Avg Wind Direction Degrees	Daily Avg Wind Speed mph
	Wed	08/02/17	24:00	27.20	741.00	42.70	1,739.99		68.69	0.039			257°	1.48
Y	Sat	08/05/17	24:00	25.10	741.00	42.90	1,747.80		17.06	0.010			271°	0.50
	Tue	08/08/17	24:00	25.30	745.00	42.80	1,745.14		19.53	0.011			284°	1.19
Y	Fri	08/11/17	24:00	22.20	741.00	43.00	1,753.21		47.97	0.027			314°	1.54
	Mon	08/14/17								q			149°	0.95
Y	Thu	08/17/17	24:00	26.40	734.00	18.90	**769.54**		40.51	0.053 r	0.030	0.05	205°	0.66
	Sun	08/20/17	24:00	27.10	741.00	0.00				s			139°	0.96
Y	Wed	08/23/17	24:00	22.50	742.00	42.80	1,743.72		19.65	0.011			307°	1.55
	Sat	08/26/17	24:00	22.40	745.00	42.90	1,750.58		102.51	0.059			130°	2.52
Y	Tue	08/29/17	24:00	23.60	742.00	42.80	1,747.18		47.49	0.027			10°	0.33
	Fri	09/01/17	24:00	18.70	743.00	43.20	1,763.40		306.36	0.174			117°	1.95
Y	Mon	09/04/17	24:00	21.50	736.00	42.70	1,741.57		20.32	0.012			276°	0.29
	Thu	09/07/17	24:00	20.00	742.00	43.10	1,757.54		27.46	0.016			287°	1.23
Y	Sun	09/10/17	24:00	19.40	749.00	43.60	1,777.73		147.68	0.083			128°	3.09
	Wed	09/13/17	24:00	23.70	734.00	42.30	1,725.49		230.70	0.134			112°	0.57
Y	Sat	09/16/17	24:00	27.20	741.00	42.40	1,727.13		32.19	0.019	0.070	0.04	139°	2.41
	Tue	09/19/17	24:00	23.70	738.00	42.50	1,733.19		248.15	0.143			122°	1.91
Y	Fri	09/22/17	24:00	29.10	741.00	42.20	1,721.30		94.85	0.055			147°	1.28
	Mon	09/25/17	24:00	28.10	739.00	42.20	1,720.79		76.86	0.045			145°	1.12
Y	Thu	09/28/17	24:00	17.70	748.00	43.80	1,786.68		41.30	0.023			278°	0.72
	Sun	10/01/17	24:00	18.70	743.00	43.70	1,782.23		55.43	0.031			129°	3.22
Y	Wed	10/04/17	24:00	19.20	747.00	43.50	1,772.58		28.37	0.016			322°	0.75
	Sat	10/07/17	24:00	17.70	730.00	42.60	1,735.79		11.51	0.007			143°	3.26
Y	Tue	10/10/17	24:00	14.70	742.00	43.60	1,776.32		261.70	0.147			31°	1.11
	Fri	10/13/17	24:00	17.70	742.00	43.30	1,766.46		51.69	0.029			125°	1.02
Y	Mon	10/16/17	24:00	13.50	746.00	43.90	1,790.90		22.93	0.013			201°	0.31
	Thu	10/19/17	15:07	19.90	744.00	43.50	**1,117.67**	**1**	57.67	0.052 t	0.042	0.05	145°	0.90
Y	Sun	10/22/17	**Sampling event was missed (see footnote t). A replacement sample was collected on Oct. 29th.**							t			137°	0.51
	Wed	10/25/17	24:00	9.00	734	43.70	1,782.43		261.80	0.147			271°	0.84
Y	Sat	10/28/17	24:00	3.80	738	44.50	1,813.55		5.30	0.003			294°	2.87
	Sun	10/29/17	24:00	7.40	733	43.90	1,790.11		8.97	0.005 t			149°	1.06
Y	Tue	10/31/17	24:00	3.90	742.00	44.70	1,822.10		14.36	0.008			282°	1.91
	Fri	11/03/17	24:00	7.10	746.00	44.60	1,818.28		115.60	0.064			86°	0.83
Y	Mon	11/06/17	24:00	5.10	748.00	44.80	1,828.36		10.59	0.006			349°	1.58

Period Covered by this Report

a. Lab analysis by RTI International in Research Triangle Park, NC.

b. Arithmetic average of all sampling events during the previous three calendar months.

c. The requirement to analyze for, and report, ambient air arsenic concentrations was eliminated by USEPA as of September 27, 2016.

q. The monitoring station did not operate because of a programming error. The filter was submitted for analysis as a field blank. A notation has been added to the laboratory report to identify this sample as a field blank.

r. Brushes on sample motor failed during the sampling period resulting in a total sample volume of approximately 40% of normal.

s. After repair and re-installation of the electric motor, the sample line was pinched off preventing flow to the filter. Because there was no flow the filter was not sent for analysis. A notation has been added to the lab report to identify the missing sample.

t. A power outage caused the sampling pump to stop operating 15-hours into the October 19th sampling event. The error was identified on October 20, 2017, and the motor electrical supply was repaired on October 23, 2017, which prevented scheduled sampling on Sunday October 22, 2017 from being performed. A substitute sampling event was performed on October 29, 2017.

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Ambient Air Lead Monitoring Report
Behr Site

1100 SEMINARY STREET
ROCKFORD, ILLINOIS
SITE ID NO.: 201030AYB

Report Date: November 29, 2017

APPENDIX A

USEPA Schedule of Lead Sampling Days for 2017

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EPA Sampling Schedule 2017

Important Dates

Notes

3-Day schedule is shown in orange, green, and purple

6-Day schedule is shown in green and purple

12-Day schedule is shown in purple

January

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

April

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

May

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

June

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

July

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

August

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

September

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

October

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

November

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

December

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

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Ambient Air Lead Monitoring Report
Behr Site

1100 SEMINARY STREET
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SITE ID NO.: 201030AYB

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APPENDIX B

RTI International Analytical Results

October 4 through November 6, 2017

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RTI INTERNATIONAL
3040 Cornwallis Road ▪ PO Box 12194 ▪ Research Triangle Park, NC 27709-2194 ▪ USA
Telephone 919 541-6000 ▪ Fax 919 541-5985 ▪ www.rti.org

November 29, 2017

Andrew Setter
Behr Iron & Metal
1100 Seminary Street
Rockford, IL 61104

Dear Mr. Setter:

RTI International analyzed the TSP filter samples you provided in accordance with 40 CFR Part 50, Appendix G. The results are summarized below in Table 1.

Table 1. TSP Filter Results
µg/Filter

Filter ID	Date Collected	Lead
9446454	10/4/2017	28.4
9446453	10/7/2017	11.5
9446452	10/10/2017	262
9446451	10/13/2017	51.7
9446450	10/16/2017	22.9
9446449	10/19/2017	57.7
9446447	10/25/2017	262
9446446	10/28/2017	5.30
9446445	10/29/2017	8.97
9446444	10/31/2017	14.4
9446443	11/3/2017	116
9446442	11/6/2017	10.6

Please refer to the attached spreadsheets "Behr Set 23 Report" and "2017 Pb TSP Audit Filters Q4" for quality control information. The remaining filter sections will be archived for two years. Please call me at 919-541-8762 or email me at fxw@rti.org if you have any questions.

Sincerely,

Frank Weber

Frank Weber
Laboratory Manager

cc: Project file 0281800.390
Lisa Bailey, RTI/ORC

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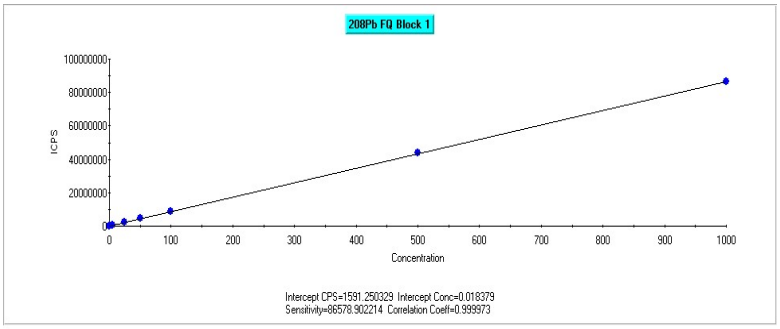
0281800.390, Set 23

Calibration Standards

	Lead µg/L	% Recovery
Calibration Blank	0.00	n/a
5	4.84	97
25	24.7	99
50	51.0	102
100	100.3	100
500	506	101
1000	997	100



Initial and Continuing Calibration Verifications

	Lead µg/L	% Recovery
ICV	205	102
CCV1	204	102
CCV2	201	100
CCV3	202	101
CCV4	202	101
CCV5	203	102

Initial and Continuing Calibration Blanks

	Lead µg/L		
ICB	0.0110	<RL	RL=5µg/L
CCB1	0.0090	<RL	
CCB2	0.0090	<RL	
CCB3	0.0680	<RL	
CCB4	0.0260	<RL	
CCB5	0.0150	<RL	

Lower Level Calibration Verifications

	Lead µg/L	% Recovery
LLCV1	11.6	97
LLCV2	11.7	97

Reagent Blanks/Reagent Blank Spikes

	Lead µg/L	% Recovery
RB	0.004	<RL
RBS	253	101

Certified Reference Material

	Lead µg/L	Lead mg/kg	% Recovery	weight (g)	NIST 2711 Montana Soil
CRM 2711	2535	1039	89.4	0.0976	Certified Value = 1162mg/kg
Filter Blank	1.00				

Matrix Duplicates

	Lead µg/filte	RPD
9446454	28.4	
9446454 Duplicate	26.0	8.565

Matrix Spikes

	Lead µg/filte	% Recovery
9446454	28.4	
9446454 Spike	131	85.4

Serial Dilutions

	Lead µg/filte	% Difference
9446452	262	
9446452 1:5	293	10.71

MDL	Lead µg/filter
	0.0832

TSP strips

	Date	µg/L	final vol (L)	**µg/strip**	**% Recovery**	Actual
BAT-TSP-2017-01-352	10/11/2017	372	0.040	14.87	97	15.4
BAT-TSP-2017-02-323	10/11/2017	1683	0.040	67.31	101	66.7
BAT-TSP-2017-01-350	11/28/2017	373	0.040	14.92	97	15.4
BAT-TSP-2017-02-324	11/28/2017	1657	0.040	66.28	99	66.7

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Ambient Air Lead Monitoring Report
Behr Site

1100 SEMINARY STREET
ROCKFORD, ILLINOIS
SITE ID NO.: 201030AYB

Report Date: November 29, 2017

APPENDIX C

Meteorological Station Data – Hourly Averages

October 4 through November 6, 2017

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Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - October 4 through November 6, 2017
Behr Iron & Metal an Alter Company - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
10/04/17	1	769	70.2	2.95	138°	322°	0.75
	2	768	70.4	3.46	133°		
	3	769	71.4	2.89	121°		
	4	768	71.3	2.08	118°		
	5	769	69.4	1.20	311°		
	6	769	65.3	2.25	329°		
	7	769	63.8	1.96	328°		
	8	770	62.8	2.36	326°		
	9	770	62.0	2.39	333°		
	10	771	62.7	2.09	317°		
	11	771	65.4	3.10	336°		
	12	771	68.1	2.21	336°		
	13	770	71.6	1.53	352°		
	14	769	73.9	1.16	304°		
	15	769	74.3	1.95	315°		
	16	769	74.3	2.20	317°		
	17	769	73.2	2.95	286°		
	18	769	70.9	1.82	285°		
	19	768	67.9	0.99	278°		
	20	768	64.2	0.55	270°		
	21	769	61.7	0.39	278°		
	22	769	61.1	0.21	310°		
	23	769	59.0	0.17	181°		
	24	769	57.6	0.17	227°		
10/07/17	1	755	68.1	4.02	141°	143°	3.26
	2	755	68.5	3.79	146°		
	3	754	68.5	3.83	150°		
	4	754	68.0	4.15	144°		
	5	753	67.4	3.94	146°		
	6	753	67.3	4.00	146°		
	7	753	66.9	4.04	149°		
	8	752	67.4	4.30	144°		
	9	752	67.6	3.81	142°		
	10	752	68.3	4.27	145°		
	11	752	70.7	6.02	149°		
	12	751	71.9	5.50	141°		
	13	751	72.4	5.43	138°		
	14	751	70.4	4.89	136°		
	15	750	67.9	4.41	142°		
	16	749	66.9	5.32	143°		
	17	749	66.8	5.56	137°		
	18	749	67.2	2.92	125°		
	19	750	64.5	2.99	114°		
	20	750	63.5	3.27	109°		
	21	751	61.8	1.40	76°		
	22	752	59.0	1.59	297°		
	23	753	59.7	4.46	281°		
	24	754	58.9	3.51	284°		

Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - October 4 through November 6, 2017
Behr Iron & Metal an Alter Company - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
10/10/17	1	765	58.9	1.14	340°		
	2	765	57.6	1.39	340°		
	3	765	57.4	1.23	341°		
	4	765	57.2	1.45	344°		
	5	766	57.1	1.67	348°		
	6	766	55.9	1.55	1°		
	7	766	55.5	1.52	353°		
	8	766	55.9	1.56	359°		
	9	766	56.5	1.31	9°		
	10	766	58.2	1.67	23°		
	11	767	60.1	1.82	61°		
	12	767	61.4	1.91	82°	31°	1.11
	13	766	60.6	2.55	115°		
	14	766	61.2	1.97	121°		
	15	766	60.5	1.89	113°		
	16	766	58.3	1.49	29°		
	17	765	56.2	1.67	21°		
	18	765	55.2	1.55	33°		
	19	764	54.6	1.42	91°		
	20	764	54.4	1.29	84°		
	21	764	54.8	1.48	42°		
	22	763	55.0	1.75	25°		
	23	764	55.1	1.88	326°		
	24	763	53.7	1.99	3°		
10/13/17	1	765	56.9	1.20	142°		
	2	765	55.5	0.83	150°		
	3	765	55.2	1.94	142°		
	4	765	55.2	1.82	146°		
	5	765	54.2	1.60	148°		
	6	765	53.6	2.16	135°		
	7	765	54.1	1.08	143°		
	8	765	54.7	2.07	136°		
	9	766	55.9	2.00	141°		
	10	766	57.3	3.49	136°		
	11	765	60.6	2.25	140°		
	12	765	60.9	0.48	157°	125°	1.02
	13	765	61.9	2.71	138°		
	14	765	63.2	1.79	140°		
	15	764	65.0	1.38	134°		
	16	764	65.8	0.93	106°		
	17	764	64.6	1.33	344°		
	18	764	63.1	1.43	6°		
	19	764	62.6	1.59	344°		
	20	764	62.2	0.82	30°		
	21	765	61.1	1.28	14°		
	22	765	60.0	1.33	4°		
	23	765	60.1	0.46	84°		
	24	765	60.3	1.68	127°		

Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - October 4 through November 6, 2017
Behr Iron & Metal an Alter Company - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
10/16/17	1	769	42.6	1.24	136°		
	2	769	43.3	1.12	135°		
	3	769	43.7	1.34	138°		
	4	769	44.0	1.58	137°		
	5	769	44.0	1.24	132°		
	6	769	42.7	1.23	137°		
	7	770	41.7	1.12	145°		
	8	770	41.5	1.13	140°		
	9	770	45.1	1.51	136°		
	10	770	48.9	0.43	155°		
	11	770	52.9	0.75	298°		
	12	770	57.5	0.80	275°	201°	0.31
	13	770	60.8	1.76	288°		
	14	769	62.4	2.11	298°		
	15	768	63.4	1.86	291°		
	16	768	63.7	2.23	288°		
	17	768	62.8	2.11	284°		
	18	767	61.8	0.78	275°		
	19	767	56.5	0.17	173°		
	20	767	51.6	0.27	217°		
	21	767	49.0	0.36	275°		
	22	767	47.9	0.22	149°		
	23	767	48.9	1.00	136°		
	24	767	48.5	1.03	140°		
10/19/17	1	763	55.6	1.73	142°		
	2	763	55.0	1.83	142°		
	3	763	56.5	0.12	153°		
	4	763	54.8	1.40	293°		
	5	764	52.5	0.54	306°		
	6	765	50.3	0.13	143°		
	7	765	47.8	0.07	240°		
	8	765	47.0	0.18	217°		
	9	766	51.2	0.46	266°		
	10	767	58.3	0.56	256°		
	11	767	64.4	0.91	138°		
	12	767	67.2	0.68	125°	145°	0.90
	13	767	68.3	1.68	132°		
	14	766	70.2	1.05	153°		
	15	766	71.3	2.09	134°		
	16	766	72.0	1.81	143°		
	17	766	71.9	2.63	137°		
	18	766	70.3	1.95	140°		
	19	766	66.0	1.31	145°		
	20	766	60.4	0.84	148°		
	21	766	57.3	0.07	151°		
	22	766	58.3	1.03	144°		
	23	765	59.6	2.25	138°		
	24	765	57.7	1.78	143°		

Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - October 4 through November 6, 2017
Behr Iron & Metal an Alter Company - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
10/22/17	1	761	69.2	5.23	143°	137°	0.51
	2	760	68.7	5.68	149°		
	3	760	68.4	4.93	147°		
	4	759	68.3	4.37	144°		
	5	759	66.2	3.84	149°		
	6	760	63.3	2.09	137°		
	7	760	63.0	1.68	141°		
	8	760	62.4	2.35	130°		
	9	760	62.6	2.77	137°		
	10	760	62.6	2.29	146°		
	11	760	61.7	0.59	305°		
	12	761	56.3	3.57	328°		
	13	762	52.6	4.44	324°		
	14	762	52.5	4.05	332°		
	15	763	52.5	2.36	341°		
	16	763	51.9	1.68	342°		
	17	763	51.8	1.13	334°		
	18	764	51.5	0.73	316°		
	19	764	51.4	0.39	293°		
	20	764	51.2	1.30	317°		
	21	764	50.7	0.98	307°		
	22	764	50.5	0.75	313°		
	23	763	50.4	0.39	331°		
	24	763	50.2	1.03	326°		
10/25/17	1	757	40.2	2.76	282°	271°	0.84
	2	757	39.2	3.08	282°		
	3	757	38.6	3.02	277°		
	4	757	37.5	2.12	275°		
	5	757	37.8	2.12	285°		
	6	757	38.2	2.12	280°		
	7	757	38.1	1.65	280°		
	8	756	38.2	0.53	300°		
	9	756	38.8	1.29	291°		
	10	757	40.9	0.86	286°		
	11	757	44.4	1.40	291°		
	12	757	46.8	1.31	302°		
	13	756	49.0	1.27	280°		
	14	756	51.7	0.95	273°		
	15	756	53.5	0.15	223°		
	16	756	55.3	0.22	260°		
	17	756	54.2	0.18	228°		
	18	757	52.6	0.26	165°		
	19	757	48.1	0.31	138°		
	20	758	45.1	0.60	132°		
	21	758	42.4	0.04	280°		
	22	758	43.9	1.54	136°		
	23	758	43.5	2.25	142°		
	24	758	42.6	1.29	145°		

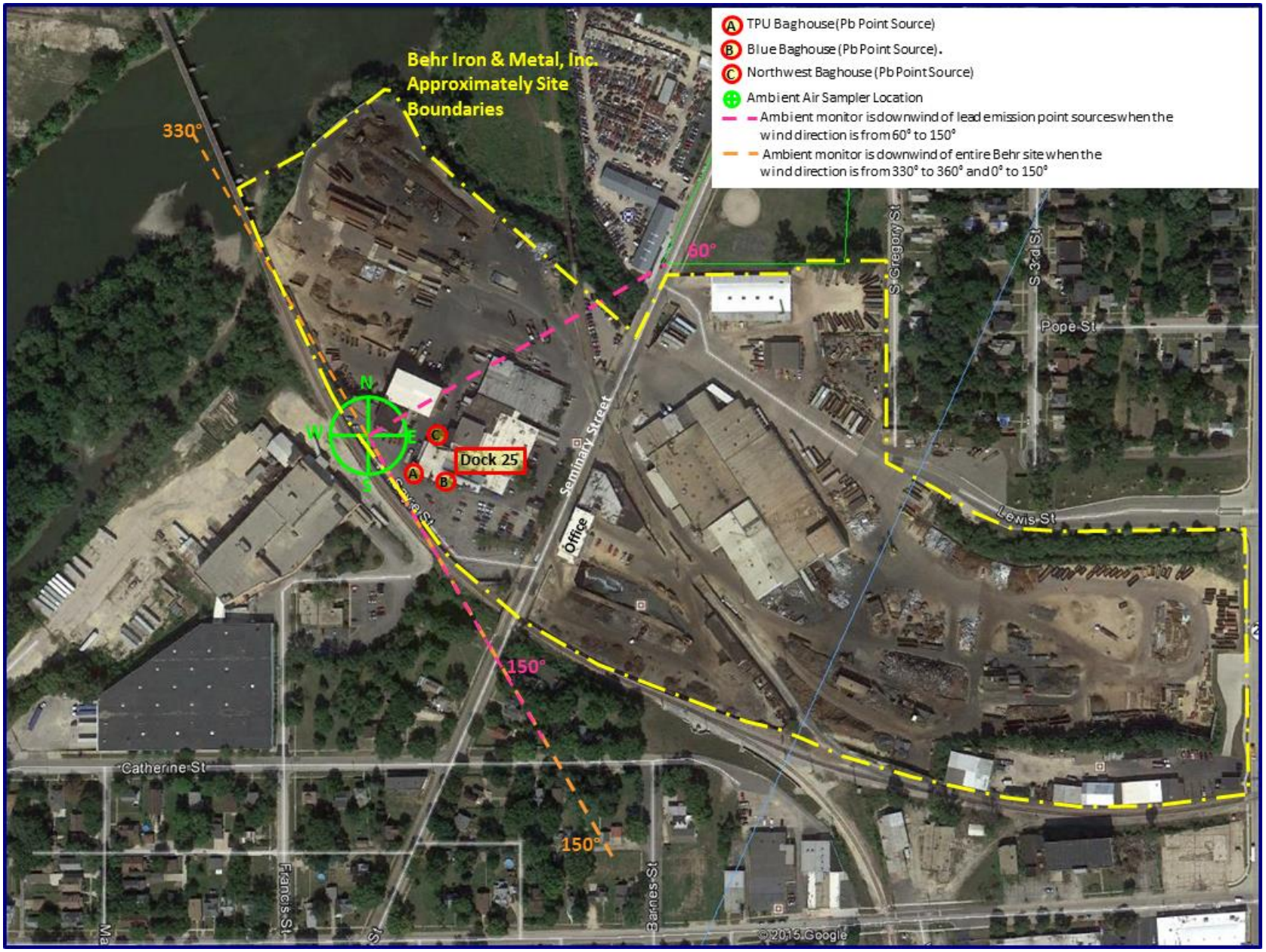
Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - October 4 through November 6, 2017
Behr Iron & Metal an Alter Company - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph	
10/28/17	1	757	36.6	0.94	295°			
	2	757	36.3	2.00	285°			
	3	757	36.1	3.56	279°			
	4	757	36.2	3.74	283°			
	5	757	35.7	3.54	286°			
	6	758	35.4	3.32	284°			
	7	758	35.4	3.44	291°			
	8	759	35.2	2.58	305°			
	9	759	35.7	2.59	301°			
	10	759	36.4	3.20	318°			
	11	760	36.8	3.55	300°			
	12	760	37.5	4.39	284°	294°	2.87	
	13	759	38.2	3.43	295°			
	14	759	39.3	3.49	291°			
	15	759	40.2	3.10	295°			
	16	759	40.0	3.11	293°			
	17	760	39.4	3.13	298°			
	18	760	38.9	2.54	302°			
	19	760	38.3	2.31	305°			
	20	761	37.7	2.29	298°			
	21	761	37.2	2.72	290°			
	22	761	36.8	2.77	295°			
	23	761	36.6	1.95	302°			
	24	761	36.3	2.08	314°			
10/29/17	1	761	35.8	1.67	315°			
	2	761	35.3	1.53	305°			
	3	760	34.9	1.71	288°			
	4	760	34.6	2.01	280°			
	5	760	34.3	1.68	286°			
	6	760	33.4	1.33	286°			
	7	760	31.7	0.16	158°			
	8	760	31.0	0.70	132°			
	9	760	33.9	0.35	161°			
	10	760	37.8	0.26	230°			
	11	759	39.0	1.70	139°			
	12	759	41.0	2.11	137°	149°	1.06	
	13	758	43.5	1.62	142°			
	14	758	45.0	2.98	139°			
	15	757	46.7	3.39	138°			
	16	756	47.0	3.53	138°			
	17	756	46.5	3.34	138°			
	18	756	46.3	2.87	141°			
	19	756	45.4	2.54	143°			
	20	756	44.3	2.38	146°			
	21	756	43.5	2.54	143°			
	22	756	43.4	1.66	132°			
	23	756	44.0	1.16	131°			
	24	755	44.0	0.73	119°			

Sunday October 29, 2017 is not a scheduled sampling event but sampling was conducted on this day as a make-up sample from Sunday October 22, 2017.

Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - October 4 through November 6, 2017
Behr Iron & Metal an Alter Company - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
10/31/17	1	761	34.5	5.36	289°		
	2	762	34.6	4.50	286°		
	3	762	34.5	5.01	283°		
	4	763	34.2	4.93	289°		
	5	763	33.7	3.84	297°		
	6	763	33.7	4.43	291°		
	7	764	33.4	3.95	295°		
	8	765	33.3	3.72	296°		
	9	765	33.5	3.60	296°		
	10	766	34.2	2.92	295°		
	11	766	35.5	3.01	285°		
	12	766	38.5	2.25	291°	282°	1.91
	13	766	39.1	2.13	285°		
	14	766	39.9	2.76	288°		
	15	765	40.2	0.74	240°		
	16	765	39.4	0.86	255°		
	17	765	38.4	0.80	160°		
	18	765	37.6	0.66	291°		
	19	765	37.0	1.08	145°		
	20	764	36.8	1.77	143°		
	21	764	36.5	1.51	140°		
	22	764	35.9	1.76	134°		
	23	764	35.4	1.94	149°		
	24	764	35.1	1.59	143°		
11/03/17	1	766	41.8	2.24	342°		
	2	767	40.7	1.90	337°		
	3	768	39.1	1.56	334°		
	4	768	38.8	2.19	334°		
	5	768	39.5	2.61	343°		
	6	769	39.0	2.03	344°		
	7	769	38.1	1.82	5°		
	8	770	37.9	1.67	349°		
	9	771	37.8	1.57	357°		
	10	771	40.2	1.95	359°		
	11	772	42.6	1.55	350°		
	12	772	44.5	1.43	18°	86°	0.83
	13	771	44.7	1.00	81°		
	14	771	46.2	2.56	122°		
	15	770	47.6	2.73	127°		
	16	770	48.1	3.02	128°		
	17	770	47.1	3.47	131°		
	18	770	45.6	3.45	134°		
	19	770	44.2	4.09	130°		
	20	770	43.2	4.06	134°		
	21	769	41.9	2.80	138°		
	22	769	41.2	2.91	134°		
	23	769	41.1	1.84	139°		
	24	768	41.0	0.41	82°		



Ambient Monitor Location with Respect to Site Emission Points and Site Boundaries

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